

SEQUENCE LISTING

hKir5.1 amino acid sequence (SEQ ID NO:1)

5 MSYYGSSYHIINADAKYPGYPPHHIAEKRRARRRLLHKDGSNCNVYFKHIFGEWGSY
VVDIFTTLVDTKWRHMFVIFSLSYILSWLIFGSVFWLIAFHGDLNPDITPCVDNV
HSFTGAFLFSLETQTTIGYGYRCVTEECVAVLMVILQSILSCIINTFIIGAALAKMATA
RKRAQTIRFSYFALIGMRDGKLCMLWRIGDFRPNHVVEGTVRAQLLRYTEDSEGRM
TMAFKDLKL VNDQIILVTPVTIVHEIDHESPLYALDRKAVAKDNFEILVTFIYTGDSTG
10 TSHQSRSSYVPRXILWGHRFNDVLEVKRKYYKVNCLQFEGSVEVYAPFCSAKQLDW
KDQQLHIEKAPPVRESCTSDTKARRRSFSAVAIVSSW

hKir5.1 nucleotide sequence (SEQ ID NO:2)

15 TTACTACTACAAAACCTCACCTGGATCCCTAAGGGCACAGCAAAGAATGAGCTATT
ACGGCAGCAGCTATCATATTATCAATGCGGACGCAAATACCCAGGCTACCCGC
CAGAGCACATTATAGCTGAGAAGAGAAGAGCAAGAAGACGATTACTTCACAAAG
ATGGCAGCTGTAATGTCTACTTCAAGCACATTTTTGGAGAATGGGGAAGCTATGT
GGTTGACATCTTCACCACTCTTGTGGACACCAAGTGGCGCCATATGTTTGTGATA
20 TTTTCTTTATCTTATATTCTCTCGTGGTTGATATTTGGCTCTGTCTTTTGGCTCATA
GCCTTTCATCATGGCGATCTATTAAATGATCCAGACATCACACCTTGTGTTGACA
ACGTCCATTCTTTCACAGGGGCCTTTTTGTTCTCCCTAGAGACCCAAACCACCAT
AGGATATGGTTATCGCTGTGTTACTGAAGAATGTTCTGTGGCCGTGCTCATGGTG
ATCCTCCAGTCCATCTTAAGTTGCATCATAAATACTTTATCATTGGAGCTGCCTT
25 GGCCAAAATGGCAACTGCTCGAAAGAGAGCCCAAACCATTCGTTTCAGCTACTTT
GCACTTATAGGTATGAGAGATGGGAAGCTTTGCCTCATGTGGCGCATTGGTGATT
TTCGGCCAAACCACGTGGTAGAAGGAACAGTTAGAGCCCAACTTCTCCGCTATAC
AGAAGACAGTGAAGGGAGGATGACGATGGCATTATAAGACCTCAAATTAGTCAA
CGACCAAATCATCCTGGTCACCCCGGTAACCTATTGTCCATGAAATTGACCATGAG
30 AGCCCTCTGTATGCCCTTGACCGCAAAGCAGTAGCCAAAGATAACTTTGAGATTT
TGGTGACATTTATCTATACTGGTGATTCCACTGGAACATCTCACCAATCTAGAAG

CTCCTATGTTCCCCGARAAATTCTCTGGGGCCATAGGTTTAATGATGTCTTGGA
GTTAAGAGGAAGTATTACAAAGTGAAGTCTTACAGTTTGAAGGAAGTGTGGAA
GTATATGCCCCCTTTTGCAGTGCCAAGCAATTGGACTGGAAAGACCAGCAGCTCC
ACATAGAAAAAGCACCACCAGTTCGAGAATCCTGCACGTCGGACACCAAGGCGA
5 GACGAAGGTCATTTAGTGCAGTTGCCATTGTCAGCAGCTGGTGAAAACCCTGAG
GAGACCACCACTTTCGCCACACATGAATATAGGGAAACACCTTATCAGAAAGCT
CTCCCTGACTTTAAACAXGAATCCTCTGTWGAATCCCAAATGTTAGTCCTAAAAT
TGCAATTATGAGGGCTACCACTGAATCATTTTATCTTTCAGCCAATCAAGTCGTT
GTAAACGTGGCTTTTTTTGAAAGTGTTATGGCTATGTTTTATGATGATGCTGGGTAA
10 GTAGAGTAAGTTAAACTTGGTAAAAGATAATCTAAAAATTCCATAGTTCTCAGTT
ATTAAAATTTTTCTTGTTCCGGAATTC

Sub
a1
cont

10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100